CURRENT ADVANCES IN ECOLOGICAL SCIENCES

Vol. 6, No. 1 JANUARY 1980 Nos. 68379–69747

A MONTHLY SUBJECT CATEGORISED LISTING OF TITLES IN ECOLOGICAL SCIENCES COMPILED FROM THE CURRENT LITERATURE

CONTENTS

Notification of New Books ii
List of Journals Scanned Regularly x
Journal List xiv

1. General concepts 1
2. Ecosystem dynamics 1
3. Historical ecology 1
4. Distribution, biogeography 4
5. Systematics 8
6. Sociology 9
7. Population dynamics 12
8. Animal behaviour 14
9. Productivity, growth rates 22
10. Primary production processes 25
11. Predator/prey interactions 25
12. Host/parasite interactions 26
13. Plant/animal interactions 32
14. Competition and interference 36
15. Interactions with microorganisms . . . 37
16. Interactions with soil 42
17. Interactions with the physical environment 43
    (a) atmospheric
    (b) aquatic
18. Interactions with man 46
19. Energy 48
20. Biogeochemical cycles 48
21. Water relations 50
22. Regeneration and reproduction 51
23. Phenology and rhythms 53
24. Disease and injury 54
25. Adaptation (physiological, biochemical, morphological) 58
26. Nutrition 60
27. Genecology 62
28. Autecology 63
29. Micrometeorology 66
30. Artificial environment 66
31. Hydrology 66
32. Soil science 66
33. Litter and humus 67
34. Environmental hazards 67
35. Erosion 68
36. Statistics, modelling, sampling 68
37. Regional survey 70
38. Remote sensing 70
39. Land use 70
40. Conservation 73
41. Wildlife management and fish farming 73
42. Weed and pest control 75
43. Pollution 77
    (a) distribution of pollutants
    (b) effects
    (c) residues
44. Tropical ecology 90
45. Arid zone ecology 91
46. Forest ecology 91
47. Shrubland ecology 93
48. Grassland ecology 93
49. Tundra ecology 94
50. Wetland ecology 94
51. Freshwater ecology 94
52. Marine ecology 98
53. Coastal and estuarine ecology 101
54. Soil biology 104
55. Microbial ecology 105
56. Crop ecology 109

Author Index 110
Abbreviations to Authors' Addresses 115

VOL. 6 1980

ISSN 0306–3291

CAEDX 6 (1) 1–116 (1980)

Printed in Great Britain by Express Litho Service (Oxford).

CURRENT ADVANCES IN ECOLOGICAL SCIENCES

Vol. 6, No. 2 FEBRUARY 1980 Nos. 69748–71232

A MONTHLY SUBJECT CATEGORISED LISTING OF TITLES IN ECOLOGICAL SCIENCES COMPILED FROM THE CURRENT LITERATURE

CONTENTS

Book Review ii
Notification of New Books iii
Journal List v

1. General concepts 117
2. Ecosystem dynamics 117
3. Historical ecology 118
4. Distribution, biogeography 119
5. Systematics 123
6. Sociology 123
7. Population dynamics 128
8. Animal behaviour 132
9. Productivity, growth rates 141
10. Primary production processes 145
11. Predator/prey interactions 146
12. Host/parasite interactions 148
13. Plant/animal interactions 152
14. Competition and interference 157
15. Interactions with microorganisms . . . 159
16. Interactions with soil 166
17. Interactions with the physical environment 167
    (a) atmospheric
    (b) aquatic
18. Interactions with man 170
19. Energy 171
20. Biogeochemical cycles 172
21. Water relations 175
22. Regeneration and reproduction 176
23. Phenology and rhythms 179
24. Disease and injury 181
25. Adaptation (physiological, biochemical, morphological) 184
26. Nutrition 187
27. Genecology 190
28. Autecology 191
29. Micrometeorology 194
30. Artificial environment 194
31. Hydrology 194
32. Soil science 195
33. Litter and humus 196
34. Environmental hazards 196
35. Erosion 197
36. Statistics, modelling, sampling 197
37. Regional survey 199
38. Remote sensing 199
39. Land use 199
40. Conservation 201
41. Wildlife management and fish farming 201
42. Weed and pest control 203
43. Pollution 205
    (a) distribution of pollutants
    (b) effects
    (c) residues
44. Tropical ecology 215
45. Arid zone ecology 216
46. Forest ecology 217
47. Shrubland ecology 219
48. Grassland ecology 219
49. Tundra ecology 220
50. Wetland ecology 220
51. Freshwater ecology 221
52. Marine ecology 224
53. Coastal and estuarine ecology 227
54. Soil biology 229
55. Microbial ecology 232
56. Crop ecology 237

Author Index 238

ISSN 0306–3291

CAEDX 6 (2) 117–242 (1980)

Printed in Great Britain by Express Litho Service (Oxford).

VOL.
6
1980

CURRENT ADVANCES IN ECOLOGICAL SCIENCES

Vol. 6, No. 3 MARCH 1980 Nos. 71233–72964

A MONTHLY SUBJECT CATEGORISED LISTING OF TITLES IN ECOLOGICAL SCIENCES COMPILED FROM THE CURRENT LITERATURE

CONTENTS

Notification of New Books ii
Journal List v

1. General concepts 243
2. Ecosystem dynamics 243
3. Historical ecology 244
4. Distribution, biogeography 246
5. Systematics 252
6. Sociology 253
7. Population dynamics 255
8. Animal behaviour 260
9. Productivity, growth rates 271
10. Primary production processes 275
11. Predator/prey interactions 275
12. Host/parasite interactions 278
13. Plant/animal interactions 286
14. Competition and interference 293
15. Interactions with microorganisms 295
16. Interactions with soil 301
17. Interactions with the physical environment 303
    (a) atmospheric
    (b) aquatic
18. Interactions with man 307
19. Energy 308
20. Biogeochemical cycles 309
21. Water relations 311
22. Regeneration and reproduction 311
23. Phenology and rhythms 315
24. Disease and injury 317
25. Adaptation (physiological, biochemical, morphological) 321
26. Nutrition 323
27. Genecology 326
28. Autecology 328
29. Micrometeorology 331
30. Artificial environment 331
31. Hydrology 332
32. Soil science 332
33. Litter and humus 332
34. Environmental hazards 333
35. Erosion 334
36. Statistics, modelling sampling 334
37. Regional survey 336
38. Remote sensing 336
39. Land use 337
40. Conservation 339
41. Wildlife management and fish farming 340
42. Weed and pest control 342
43. Pollution 344
    (a) distribution of pollutants
    (b) effects
    (c) residues
44. Tropical ecology 356
45. Arid zone ecology 357
46. Forest ecology 357
47. Shrubland ecology 359
48. Grassland ecology 359
49. Tundra ecology 359
50. Wetland ecology 360
51. Freshwater ecology 360
52. Marine ecology 365
53. Coastal and estuarine ecology 369
54. Soil biology 372
55. Microbial ecology 373
56. Crop ecology 378

Author Index 380

ISSN 0306–3291
CAEDX 6 (3) 243–386 (1980)

Printed in Great Britain by Express Litho Service (Oxford).

CURRENT ADVANCES IN ECOLOGICAL SCIENCES

Vol. 6, No. 4 APRIL 1980 Nos. 72965–74198

A MONTHLY SUBJECT CATEGORISED LISTING OF TITLES IN ECOLOGICAL SCIENCES COMPILED FROM THE CURRENT LITERATURE

CONTENTS

Notification of New Books ii
Journal List iii
1. General concepts 387
2. Ecosystem dynamics 387
3. Historical ecology 387
4. Distribution, biogeography 388
5. Systematics 392
6. Sociology 392
7. Population dynamics 395
8. Animal behaviour 398
9. Productivity, growth rates 403
10. Primary production processes 405
11. Predator/prey interactions 406
12. Host/parasite interactions 407
13. Plant/animal interactions 410
14. Competition and interference 412
15. Interactions with microorganisms 414
16. Interactions with soil 417
17. Interactions with the physical environment 418
(a) atmospheric
(b) aquatic
18. Interactions with man 421
19. Energy 422
20. Biogeochemical cycles 423
21. Water relations 425
22. Regeneration and reproduction 425
23. Phenology and rhythms 428
24. Disease and injury 429
25. Adaptation (physiological, biochemical, morphological) 431
26. Nutrition 433
27. Genecology 435
28. Autecology 437
29. Micrometeorology 439
30. Artificial environment 440
31. Hydrology 440
32. Soil science 441
33. Litter and humus 441
34. Environmental hazards 441
35. Erosion 442
36. Statistics, modelling sampling 442
37. Regional survey 445
38. Remote sensing 446
39. Land use 446
40. Conservation 447
41. Wildlife management and fish farming 448
42. Weed and pest control 450
43. Pollution 451
(a) distribution of pollutants
(b) effects
(c) residues
44. Tropical ecology 460
45. Arid zone ecology 461
46. Forest ecology 461
47. Shrubland ecology 463
48. Grassland ecology 464
49. Tundra ecology 464
50. Wetland ecology 465
51. Freshwater ecology 465
52. Marine ecology 469
53. Coastal and estuarine ecology 472
54. Soil biology 474
55. Microbial ecology 474
56. Crop ecology 478
Author Index 479

ISSN 0306–3291
CAEDX 6 (4) 387–482 (1980)
Printed in Great Britain by Express Litho Service (Oxford).

VOL.
6
1980

CURRENT ADVANCES IN ECOLOGICAL SCIENCES

Vol. 6, No. 5 MAY 1980 Nos. 74199–75221

A MONTHLY SUBJECT CATEGORISED LISTING OF TITLES IN ECOLOGICAL SCIENCES COMPILED FROM THE CURRENT LITERATURE

CONTENTS

Notification of New Books ii
Journal List v
1. General concepts 483
2. Ecosystem dynamics 483
3. Historical ecology 483
4. Distribution, biogeography 484
5. Systematics 486
6. Sociology 487
7. Population dynamics 491
8. Animal behaviour 493
9. Productivity, growth rates 501
10. Primary production processes 502
11. Predator/prey interactions 502
12. Host/parasite interactions 503
13. Plant/animal interactions 505
14. Competition and interference 508
15. Interactions with microorganisms 509
16. Interactions with soil 513
17. Interactions with the physical environment 513
(a) atmospheric
(b) aquatic
18. Interactions with man 515
19. Energy 517
20. Biogeochemical cycles 517
21. Water relations 518
22. Regeneration and reproduction 518
23. Phenology and rhythms 520
24. Disease and injury 522
25. Adaptation (physiological, biochemical, morphological) 524
26. Nutrition 526
27. Genecology 527
28. Autecology 529
29. Micrometeorology 530
30. Artificial environment 531
31. Hydrology 531
32. Soil science 531
33. Litter and humus 531
34. Environmental hazards 531
35. Erosion 532
36. Statistics, modelling sampling 532
37. Regional survey 533
38. Remote sensing 533
39. Land use 534
40. Conservation 534
41. Wildlife management and fish farming 535
42. Weed and pest control 538
43. Pollution 540
(a) distribution of pollutants
(b) effects
(c) residues
44. Tropical ecology 545
45. Arid zone ecology 546
46. Forest ecology 546
47. Shrubland ecology 548
48. Grassland ecology 548
49. Tundra ecology 549
50. Wetland ecology 549
51. Freshwater ecology 550
52. Marine ecology 551
53. Coastal and estuarine ecology 553
54. Soil biology 555
55. Microbial ecology 555
56. Crop ecology 557
Author Index 558

ISSN 0306–3291
CAEDX 6 (5) 483–560 (1980)
Printed in Great Britain by Express Litho Service (Oxford).

CURRENT ADVANCES IN ECOLOGICAL SCIENCES

Vol. 6, No. 6 JUNE 1980 Nos. 75222–76263

A MONTHLY SUBJECT CATEGORISED LISTING OF TITLES IN ECOLOGICAL SCIENCES COMPILED FROM THE CURRENT LITERATURE

CONTENTS

Notification of New Books ii
Journal List iii
1. General concepts 561
2. Ecosystem dynamics 561
3. Historical ecology 561
4. Distribution, biogeography 561
5. Systematics 566
6. Sociology 566
7. Population dynamics 569
8. Animal behaviour 572
9. Productivity, growth rates 577
10. Primary production processes 579
11. Predator/prey interactions 579
12. Host/parasite interactions 580
13. Plant/animal interactions 584
14. Competition and interference 585
15. Interactions with microorganisms 586
16. Interactions with soil 588
17. Interactions with the physical environment 588
(a) atmospheric
(b) aquatic
18. Interactions with man 590
19. Energy 591
20. Biogeochemical cycles 592
21. Water relations 593
22. Regeneration and reproduction 593
23. Phenology and rhythms 596
24. Disease and injury 597
25. Adaptation (physiological, biochemical, morphological) 599
26. Nutrition 602
27. Genecology 603
28. Autecology 605
29. Micrometeorology 607
30. Artificial environment 607
31. Hydrology 607
32. Soil science 607
33. Litter and humus 608
34. Environmental hazards 608
35. Erosion 608
36. Statistics, modelling sampling 608
37. Regional survey 610
38. Remote sensing 610
39. Land use 611
40. Conservation 611
41. Wildlife management and fish farming 612
42. Weed and pest control 614
43. Pollution 615
(a) distribution of pollutants
(b) effects
(c) residues
44. Tropical ecology 620
45. Arid zone ecology 621
46. Forest ecology 621
47. Shrubland ecology 622
48. Grassland ecology 622
49. Tundra ecology 623
50. Wetland ecology 623
51. Freshwater ecology 623
52. Marine ecology 627
53. Coastal and estuarine ecology 629
54. Soil biology 631
55. Microbial ecology 632
56. Crop ecology 635
Author Index 636

ISSN 0306–3291
CAEDX 6 (6) 561–638 (1980)

Printed in Great Britain by Express Litho Service (Oxford).

CURRENT ADVANCES IN ECOLOGICAL SCIENCES

Vol. 6, No. 7 JULY 1980 Nos. 76264–77452

A MONTHLY SUBJECT CATEGORISED LISTING OF TITLES IN ECOLOGICAL SCIENCES COMPILED FROM THE CURRENT LITERATURE

CONTENTS

Notification of New Books ii
Journal List iv
1. General concepts 639
2. Ecosystem dynamics 639
3. Historical ecology 640
4. Distribution, biogeography 640
5. Systematics 642
6. Sociology 642
7. Population dynamics 643
8. Animal behaviour 646
9. Productivity, growth rates 652
10. Primary production processes 653
11. Predator/prey interactions 654
12. Host/parasite interactions 655
13. Plant/animal interactions 661
14. Competition and interference 665
15. Interactions with microorganisms 666
16. Interactions with soil 670
17. Interactions with the physical environment 671
(a) atmospheric
(b) aquatic
18. Interactions with man 673
19. Energy 673
20. Biogeochemical cycles 674
21. Water relations 675
22. Regeneration and reproduction 675
23. Phenology and rhythms 676
24. Disease and injury 677
25. Adaptation (physiological, biochemical, morphological) 678
26. Nutrition 680
27. Genecology 681
28. Autecology 682
29. Micrometeorology 684
30. Artificial environment 684
31. Hydrology 684
32. Soil science 684
33. Litter and humus 684
34. Environmental hazards 685
35. Erosion 685
36. Statistics, modelling sampling 686
37. Regional survey 687
38. Remote sensing 687
39. Land use 687
40. Conservation 689
41. Wildlife management and fish farming 689
42. Weed and pest control 690
43. Pollution 692
(a) distribution of pollutants
(b) effects
(c) residues
44. Tropical ecology 700
45. Arid zone ecology 701
46. Forest ecology 701
47. Shrubland ecology 702
48. Grassland ecology 702
49. Tundra ecology 702
50. Wetland ecology 703
51. Freshwater ecology 703
52. Marine ecology 704
53. Coastal and estuarine ecology 707
54. Soil biology 708
55. Microbial ecology 709
56. Crop ecology 711
Author Index 713

VOL. 6 1980

ISSN 0306–3291
CAEDX 6 (7) 639–716 (1980)
Printed in Great Britain by Express Litho Service (Oxford).

CURRENT ADVANCES IN ECOLOGICAL SCIENCES

Vol. 6, No. 8 AUGUST 1980 Nos. 77453–79128

A MONTHLY SUBJECT CATEGORISED LISTING OF TITLES IN ECOLOGICAL SCIENCES COMPILED FROM THE CURRENT LITERATURE

CONTENTS

Notification of New Books ii
Journal List iii
1. General concepts 717
2. Ecosystem dynamics 717
3. Historical ecology 717
4. Distribution, biogeography 719
5. Systematics 722
6. Sociology 723
7. Population dynamics 727
8. Animal behaviour 730
9. Productivity, growth rates 738
10. Primary production processes 741
11. Predator/prey interactions 741
12. Host/parasite interactions 744
13. Plant/animal interactions 749
14. Competition and interference 755
15. Interactions with microorganisms 756
16. Interactions with soil 760
17. Interactions with the physical environment 761
(a) atmospheric
(b) aquatic
18. Interactions with man 763
19. Energy 764
20. Biogeochemical cycles 765
21. Water relations 766
22. Regeneration and reproduction 767
23. Phenology and rhythms 770
24. Disease and injury 772
25. Adaptation (physiological, biochemical, morphological) 773
26. Nutrition 775
27. Genecology 777
28. Autecology 778
29. Micrometeorology 781
30. Artificial environment 781
31. Hydrology 781
32. Soil science 782
33. Litter and humus 782
34. Environmental hazards 783
35. Erosion 783
36. Statistics, modelling sampling 783
37. Regional survey 785
38. Remote sensing 786
39. Land use 786
40. Conservation 787
41. Wildlife management and fish farming 788
42. Weed and pest control 789
43. Pollution 792
(a) distribution of pollutants
(b) effects
(c) residues
44. Tropical ecology 801
45. Arid zone ecology 801
46. Forest ecology 802
47. Shrubland ecology 804
48. Grassland ecology 804
49. Tundra ecology 805
50. Wetland ecology 805
51. Freshwater ecology 805
52. Marine ecology 809
53. Coastal and estuarine ecology 812
54. Soil biology 815
55. Microbial ecology 816
56. Crop ecology 819
Author Index 821

ISSN 0306–3291
CAEDX 6 (8) 717–826 (1980)

Printed in Great Britain by Express Litho Service (Oxford).

CURRENT ADVANCES IN ECOLOGICAL SCIENCES

Vol. 6, No. 9 SEPTEMBER 1980 Nos. 79129–80500

A MONTHLY SUBJECT CATEGORISED LISTING OF TITLES IN ECOLOGICAL SCIENCES COMPILED FROM THE CURRENT LITERATURE

CONTENTS

Notification of New Books ii
Journal List iii
1. General concepts 827
2. Ecosystem dynamics 827
3. Historical ecology 827
4. Distribution, biogeography 828
5. Systematics 830
6. Sociology 830
7. Population dynamics 833
8. Animal behaviour 836
9. Productivity, growth rates 843
10. Primary production processes 845
11. Predator/prey interactions 845
12. Host/parasite interactions 847
13. Plant/animal interactions 850
14. Competition and interference 853
15. Interactions with microorganisms 855
16. Interactions with soil 857
17. Interactions with the physical environment 857
(a) atmospheric
(b) aquatic
18. Interactions with man 859
19. Energy 860
20. Biogeochemical cycles 860
21. Water relations 861
22. Regeneration and reproduction 861
23. Phenology and rhythms 864
24. Disease and injury 865
25. Adaptation (physiological, biochemical, morphological) 866
26. Nutrition 868
27. Genecology 869
28. Autecology 870
29. Micrometeorology 872
30. Artificial environment . . . . . No entries
31. Hydrology 872
32. Soil science 873
33. Litter and humus 873
34. Environmental hazards 873
35. Erosion 873
36. Statistics, modelling sampling 874
37. Regional survey 875
38. Remote sensing 875
39. Land use 876
40. Conservation 876
41. Wildlife management and fish farming 877
42. Weed and pest control 879
43. Pollution 881
(a) distribution of pollutants
(b) effects
(c) residues
44. Tropical ecology 887
45. Arid zone ecology 888
46. Forest ecology 888
47. Shrubland ecology 889
48. Grassland ecology 889
49. Tundra ecology 890
50. Wetland ecology 890
51. Freshwater ecology 890
52. Marine ecology 894
53. Coastal and estuarine ecology 896
54. Soil biology 898
55. Microbial ecology 899
56. Crop ecology 902
Author Index 903

VOL. 6 1980

ISSN 0306–3291
CAEDX 6 (9) 827–906 (1980)

Printed in Great Britain by Express Litho Service (Oxford).

CURRENT ADVANCES IN ECOLOGICAL SCIENCES

Vol. 6, No. 10 OCTOBER 1980 Nos. 80501–81802

A MONTHLY SUBJECT CATEGORISED LISTING OF TITLES IN ECOLOGICAL SCIENCES COMPILED FROM THE CURRENT LITERATURE

CONTENTS

Notification of New Books ii
Journal List iv
1. General concepts 907
2. Ecosystem dynamics 907
3. Historical ecology 907
4. Distribution, biogeography 908
5. Systematics 911
6. Sociology 911
7. Population dynamics 913
8. Animal behaviour 916
9. Productivity, growth rates 921
10. Primary production processes 923
11. Predator/prey interactions 924
12. Host/parasite interactions 925
13. Plant/animal interactions 928
14. Competition and interference 931
15. Interactions with microorganisms 933
16. Interactions with soil 935
17. Interactions with the physical environment 936
(a) atmospheric
(b) aquatic
18. Interactions with man 937
19. Energy 938
20. Biogeochemical cycles 938
21. Water relations 939
22. Regeneration and reproduction 940
23. Phenology and rhythms 942
24. Disease and injury 943
25. Adaptation (physiological, biochemical, morphological) 943
26. Nutrition 944
27. Genecology 946
28. Autecology 947
29. Micrometeorology 949
30. Artificial environment . . . . . no entries
31. Hydrology 949
32. Soil science 949
33. Litter and humus 949
34. Environmental hazards 950
35. Erosion 950
36. Statistics, modelling sampling 951
37. Regional survey 953
38. Remote sensing 953
39. Land use 953
40. Conservation 954
41. Wildlife management and fish farming 955
42. Weed and pest control 958
43. Pollution 958
(a) distribution of pollutants
(b) effects
(c) residues
44. Tropical ecology 963
45. Arid zone ecology 963
46. Forest ecology 964
47. Shrubland ecology 965
48. Grassland ecology 965
49. Tundra ecology 965
50. Wetland ecology 966
51. Freshwater ecology 966
52. Marine ecology 969
53. Coastal and estuarine ecology 971
54. Soil biology 973
55. Microbial ecology 974
56. Crop ecology 976
Author Index 978

ISSN 0306–3291
CAEDX 6 (10) 907–982 (1980)

Printed in Great Britain by Express Litho Service (Oxford).

CURRENT ADVANCES IN ECOLOGICAL SCIENCES

Vol. 6, No. 11 NOVEMBER 1980 Nos. 81803–83112

A MONTHLY SUBJECT CATEGORISED LISTING OF TITLES IN ECOLOGICAL SCIENCES COMPILED FROM THE CURRENT LITERATURE

CONTENTS

Book Review ii
Notification of New Books iii
Journal List vi

1. General concepts ..... no entries
2. Ecosystem dynamics 983
3. Historical ecology 983
4. Distribution, biogeography 984
5. Systematics 987
6. Sociology 987
7. Population dynamics 990
8. Animal behaviour 993
9. Productivity, growth rates 997
10. Primary production processes 999
11. Predator/prey interactions 1000
12. Host/parasite interactions 1001
13. Plant/animal interactions 1002
14. Competition and interference 1004
15. Interactions with microorganisms 1005
16. Interactions with soil 1006
17. Interactions with the physical environment 1007
    (a) atmospheric
    (b) aquatic
18. Interactions with man 1009
19. Energy 1009
20. Biogeochemical cycles 1010
21. Water relations 1011
22. Regeneration and reproduction 1011
23. Phenology and rhythms 1014
24. Disease and injury 1014
25. Adaptation (physiological, biochemical, morphological) 1015
26. Nutrition 1017
27. Genecology 1019
28. Autecology 1020
29. Micrometeorology 1022
30. Artificial environment 1022
31. Hydrology 1022
32. Soil science 1023
33. Litter and humus 1024
34. Environmental hazards 1025
35. Erosion 1025
36. Statistics, modelling sampling 1025
37. Regional survey 1027
38. Remote sensing 1027
39. Land use 1028
40. Conservation 1029
41. Wildlife management and fish farming 1029
42. Weed and pest control 1030
43. Pollution 1031
    (a) distribution of pollutants
    (b) effects
    (c) residues
44. Tropical ecology 1039
45. Arid zone ecology 1040
46. Forest ecology 1040
47. Shrubland ecology 1042
48. Grassland ecology 1042
49. Tundra ecology 1043
50. Wetland ecology 1043
51. Freshwater ecology 1044
52. Marine ecology 1047
53. Coastal and estuarine ecology 1050
54. Soil biology 1052
55. Microbial ecology 1052
56. Crop ecology 1054

Author Index 1056

VOL. 6 1980

ISSN 0306–3291
CAEDX 6 (11) 983–1060 (1980)

Printed in Great Britain by Express Litho Service (Oxford).

CURRENT ADVANCES IN ECOLOGICAL SCIENCES

VOL. 6, No. 12 DECEMBER 1980 Nos. 83113–84554

A MONTHLY SUBJECT CATEGORISED LISTING OF TITLES IN ECOLOGICAL SCIENCES COMPILED FROM THE CURRENT LITERATURE

CONTENTS

Book Review ii
Notification of New Books iii
Journal List iv

1. General concepts 1061
2. Ecosystem dynamics 1061
3. Historical ecology 1061
4. Distribution, biogeography 1062
5. Systematics 1065
6. Sociology 1066
7. Population dynamics 1068
8. Animal behaviour 1071
9. Productivity, growth rates 1076
10. Primary production processes 1078
11. Predator/prey interactions 1078
12. Host/parasite interactions 1079
13. Plant/animal interactions 1081
14. Competition and interference 1084
15. Interactions with microorganisms . . . 1085
16. Interactions with soil 1089
17. Interactions with the physical environment 1090
    (a) atmospheric
    (b) aquatic
18. Interactions with man 1093
19. Energy 1094
20. Biogeochemical cycles 1095
21. Water relations 1096
22. Regeneration and reproduction 1097
23. Phenology and rhythms 1099
24. Disease and injury 1100
25. Adaptation (physiological, biochemical, morphological) 1104
26. Nutrition 1106
27. Genecology 1107
28. Autecology 1109
29. Micrometeorology 1111
30. Artificial environment 1111
31. Hydrology 1111
32. Soil science 1111
33. Litter and humus 1111
34. Environmental hazards 1112
35. Erosion . . . . . no entries
36. Statistics, modelling sampling 1112
37. Regional survey 1113
38. Remote sensing 1114
39. Land use 1114
40. Conservation 1115
41. Wildlife management and fish farming 1115
42. Weed and pest control 1117
43. Pollution 1118
    (a) distribution of pollutants
    (b) effects
    (c) residues
44. Tropical ecology 1123
45. Arid zone ecology 1124
46. Forest ecology 1124
47. Shrubland ecology 1125
48. Grassland ecology 1125
49. Tundra ecology 1126
50. Wetland ecology 1126
51. Freshwater ecology 1126
52. Marine ecology 1128
53. Coastal and estuarine ecology 1131
54. Soil biology 1133
55. Microbial ecology 1133
56. Crop ecology 1137

Author Index 1139

ISSN 0306–3291
CAEDX 6 (12) 1061–1144 (1980)

Printed in Great Britain by Express Litho Service (Oxford).

VOL.
6
1980